MITSUBISHI ELECTRIC

TECHNICAL BULLETIN

FA-A-0315-A

Production Discontinuation of MELSEC-Q Series Redundant CPU and Peripherals

■Date of Issue

October 2020

■Relevant Models

Q12PRHCPU, Q25PRHCPU, Q65WRB, QC10TR, QC30TR

Thank you for your continued support of Mitsubishi Electric programmable controllers, MELSEC-Q series.
Production of the following MELSEC-Q series models will be discontinued.

1 LIST OF MODELS TO BE DISCONTINUED

Product	Model
Redundant CPU	Q12PRHCPU, Q25PRHCPU
Redundant type extension base unit	Q65WRB
Tracking cable for the Redundant CPU	QC10TR, QC30TR

2 SCHEDULE

- Transition to made-to-order: September 30, 2021
- Order acceptance: Until August 31, 2022
- Production discontinuation: September 30, 2022

3 REASON FOR DISCONTINUATION

Some parts of the above products are now obsolete, and we will have difficulty to maintain our production system.

4 REPAIR SUPPORT

Repair support period: Until September 28, 2029 (for seven years after the discontinuation of production)

MITSUBISHI ELECTRIC CORPORATION

HEAD OFFICE : TOKYO BUILDING, 2-7-3 MARUNOUCHI, CHIYODA-KU, TOKYO 100-8310, JAPAN
NAGOYA WORKS : 1-14 , YADA-MINAMI 5-CHOME , HIGASHI-KU, NAGOYA , JAPAN

5 LIST OF ALTERNATIVE MODELS

Please replace the models to be discontinued with the alternative models as follows.

Model to be discontinued		Alternative model	
Product	**Model**	**Product**	**Model**
Redundant CPU	Q12PRHCPU	Process CPU + redundant function module	R16PCPU + R6RFM*1
	Q25PRHCPU		R32PCPU + R6RFM*1
Redundant type extension base unit	Q65WRB	Redundant extension base unit	R68WRB*2
Tracking cable for the Redundant CPU	QC10TR	Optical fiber cable for CC-Link IE Controller Network	QG series*3(Mitsubishi Electric System & Service Co., Ltd.)
	QC30TR		

*1 To use the redundant system with the RnPCPU, a separate redundant function module R6RFM is required.

*2 When using two extension cables, connect the redundant extension base units to the extension level 2 to 7. When using an extension cable, connect the extension base units other than the redundant extension base units to the extension level 2 to 7. RQ extension base units, however, cannot be used.

*3 In addition, optical fiber cables compliant with the following standards (multimode optical fiber (GI)) can be used.
- IEEE802.3 (1000BASE-SX)
- IEC60793-2-10 Types A1a.1

6 RECOMMENDED ALTERNATIVE MODELS FOR THE MODELS TO BE DISCONTINUED

Consider using the MELSEC iQ-R series redundant system with the models listed below when replacing the MELSEC-Q series redundant system.

Model to be discontinued	Alternative model	
Model	**Model**	**Performance specifications**
Q12PRHCPU	R16PCPU + R6RFM	• Program capacity: 124K steps → 160K steps • Standard RAM capacity: 256K bytes → Device/label memory capacity: 1720K bytes • Standard ROM capacity: 496K bytes → Data memory: 10M bytes • Communication interface: USB (connector type B)/RS-232 → USB (connector type miniB)*1/Ethernet • Memory card: SRAM/Flash/ATA card → SD memory card/Extended SRAM cassette*2
Q25PRHCPU	R32PCPU + R6RFM	• Program capacity: 252K steps → 320K steps • Standard RAM capacity: 256K bytes → Device/label memory capacity: 2316K bytes • Standard ROM capacity: 1008K bytes → Data memory: 20M bytes • Communication interface: USB (connector type B)/RS-232 → USB (connector type miniB)*1/Ethernet • Memory card: SRAM/Flash/ATA card → SD memory card/extended SRAM cassette*2
Q65WRB	R68WRB	• Number of slots: 5 → 8 • Number of extension connectors: IN side: 2 slots, OUT side: 1 slot → IN side: 2 slots, OUT side: 2 slots

QC10TR
QC30TR
	QG series	• Cable specifications: Dedicated cable → Optical fiber cable compliant with the following standards (multimode optical fiber (GI))
		  • IEEE802.3 (1000BASE-SX)
		  • IEC60793-2-10 Types A1a.1
		• Maximum cable length: 3m → 550m

*1 Since the connector type differs, replacement of the cable or a conversion adapter is required. For cables and conversion adapters, refer to the following.
List of cables and converters for connection with peripheral devices (recommended product) (FA-A-0036)

*2 If the file register file is stored in an SRAM/Flash card, an extended SRAM cassette is required for the MELSEC iQ-R series. (It is not required if the device/label memory has enough capacity for the number of file register points.)

REVISIONS

Version	Date of Issue	Revision
A	October 2020	First edition